

Rio Americano High School AP Physics 1

AP1.08 Rotation

[rev. 1/31/17]

1. M 1/30 – Another Universe of Motion

Springboard: A New Kind of Motion

Guide: Rotational Kinematics

Examples: Rotational Kinematics

Q&P Page/s < > APFR:

2. T 1/31 – Balanced Torques

Experiment: A Question of Balance

Q&P Page/s < > APFR:

3. W 2/1 – Balanced Torques

Experiment: A Question of Balance

Q&P Page/s < > APFR:

4. r 2/2 – Torque

Activity: It's All In the Wrist

Springboard: Torque

Guide: Rotational Dynamics I

Q&P Page/s < > APFR:

5. F 2/3 – Rotational Inertia

Activity: Twin-Baton Paradox

Springboard: Screwdriver

Q&P Page/s < > APFR:

6. M 2/6 – Cons. of Momentum

Lab: Sit of It and Rotate! [Baird-Rio version]

Q&P Page/s < > APFR:

7. B1 2/7 - YouTube Skepticism + Physics

YouTube Skepticism: Power Balance

YouTube Physics: Water Slide Fail

Q&P Page/s < > APFR:

8. B2 2/8 – Momentum and Energy

Springboard: Intro to Angular Momentum

Guide: Rotational Dynamics II and III

Q&P Page/s < > APFR:

9. r 2/9 – Walker, Physics Ranger

Kinetic Carnival: Rotation part 2

Q&P Page/s < > APFR:

10. F 2/10 – Danny MacAskill + Wrap Up

YouTube Physics: Danny MacAskill

Test Correction MasterMind?

11. M 2/13 – Unit Test AP1.08

Essentials of College Physics Textbook:

Chapter 8: Rotational Equilibrium and Rotational Dynamics

Hewitt Drew It! Screencasts (phyz.org/hewittdrewit) MECHANICS: Rotational Motion — Episodes 39-43

Make Up Unit Test AP1.07 as soon as possible; no later than Friday, 2/3. AP make up tests are administered after school only. Remember, notecards cannot be used on make-up tests.

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 5. **BIG CTF Opportunity!**